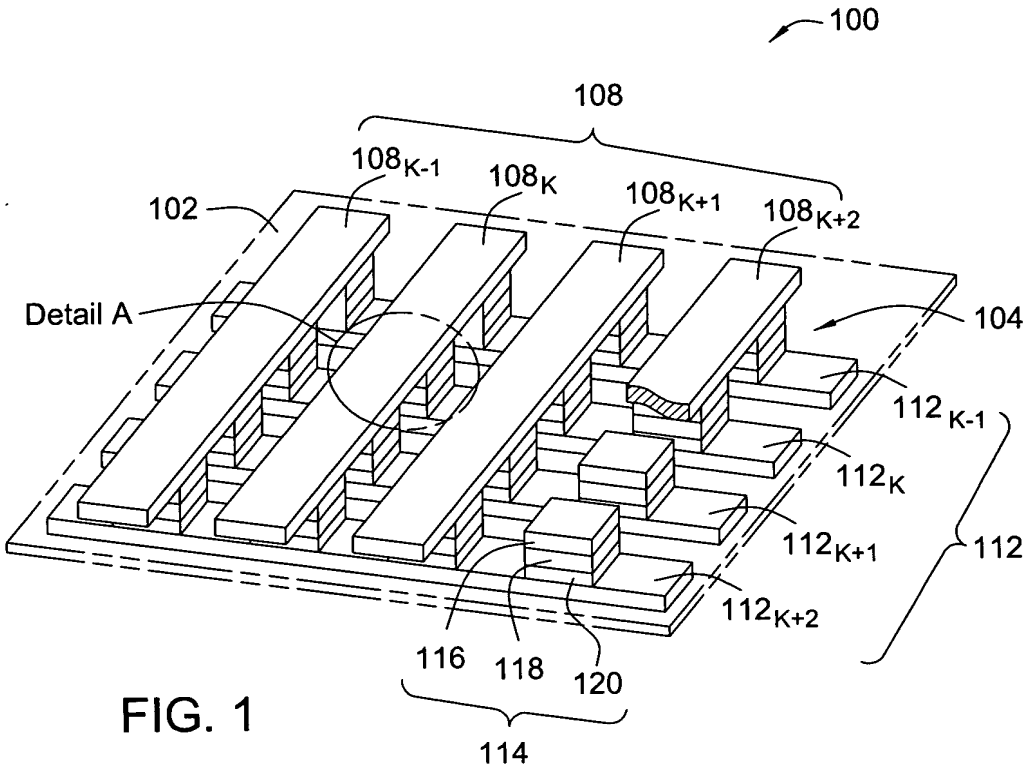
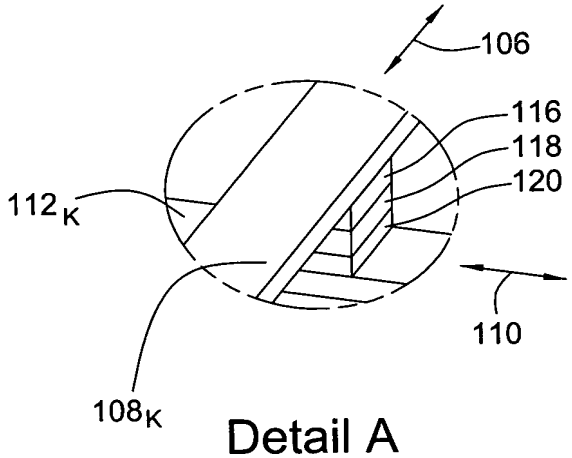


FIG. 1



Detail A

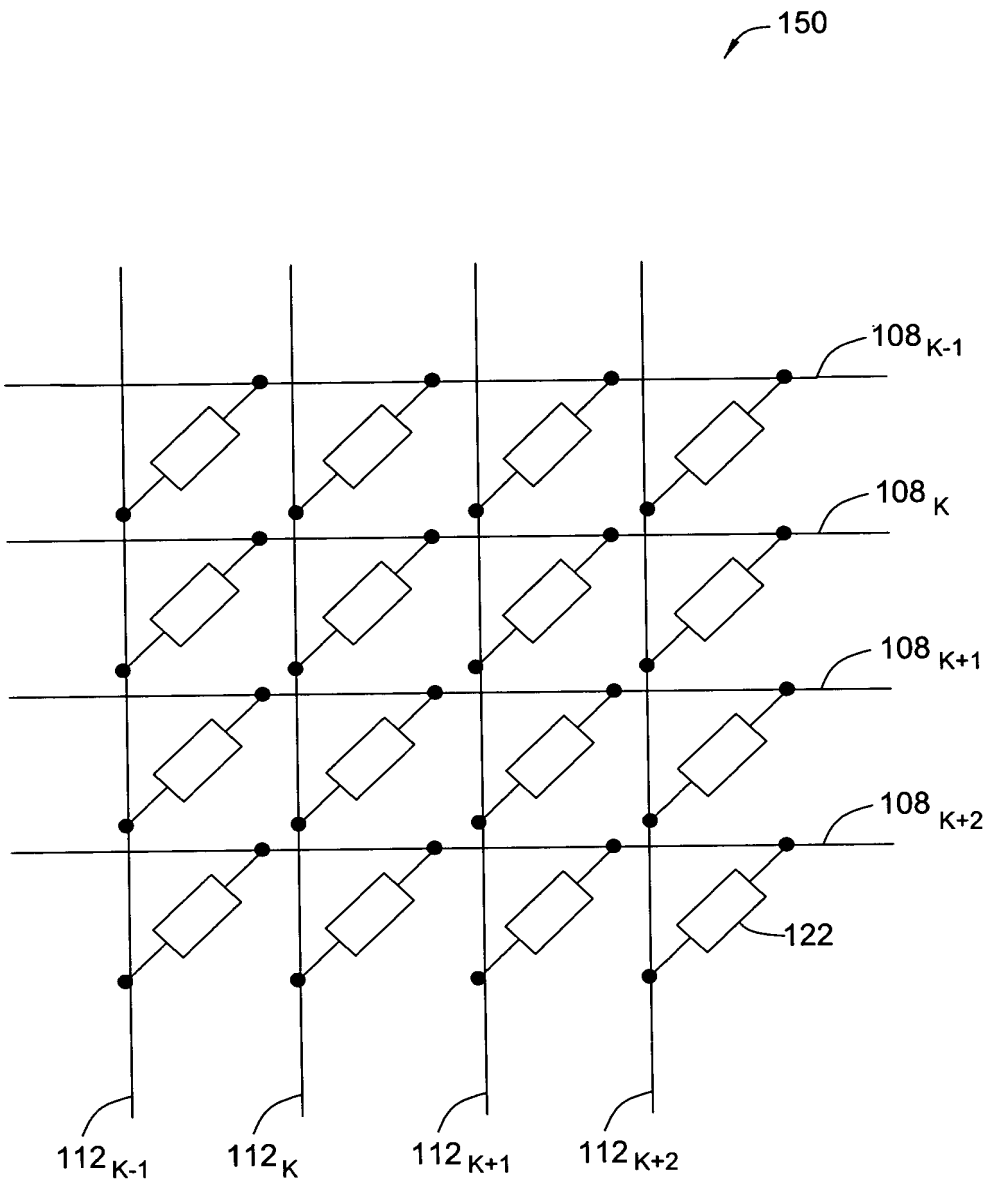


FIG. 1B

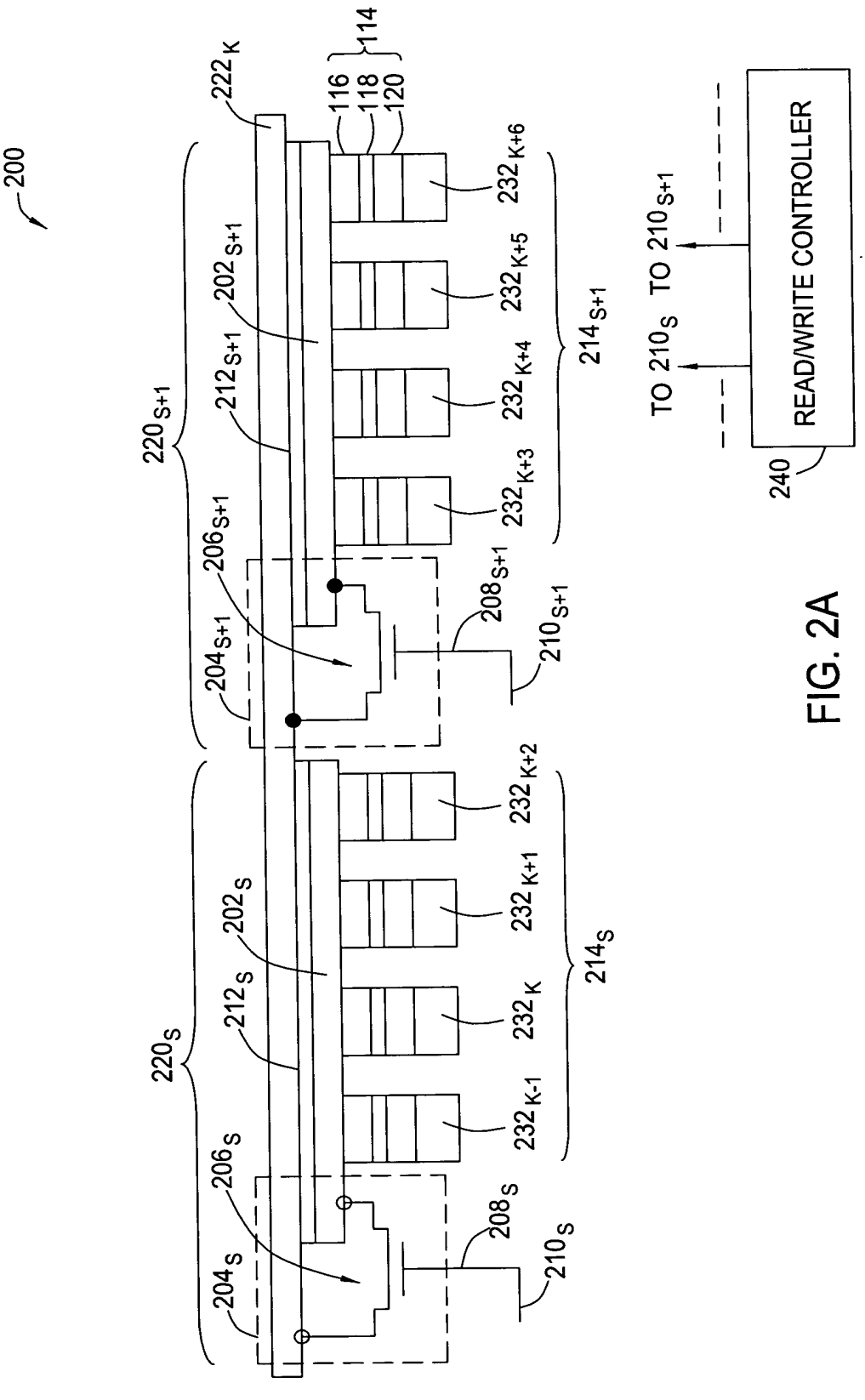

200
114
116
118
120
222K
232K+6
232K+5
232K+4
232K+3
202S+1
212S+1
220S+1
214S+1
206S+1
208S+1
210S+1
204S+1
232K+2
232K+1
232K
232K-1
202S
212S
220S
214S
206S
208S
210S
204S
TO 210S+1
TO 210S
READ/WRITE CONTROLLER
240

FIG. 2A

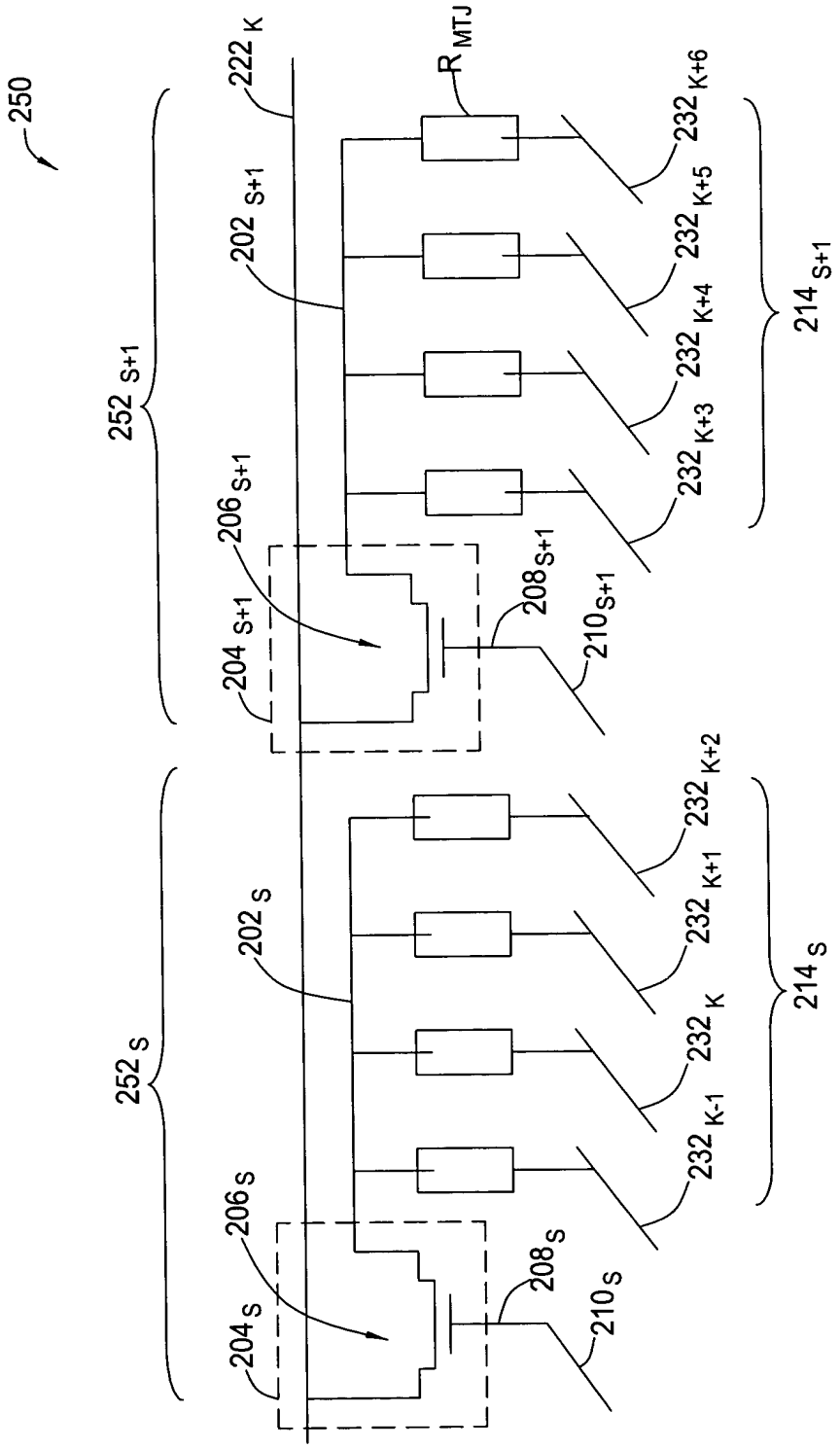

250
222 K
R MTJ
202 S+1
202 S
206 S+1
206 S
204 S+1
204 S
208 S+1
208 S
210 S+1
210 S
252 S+1
252 S
214 S+1
214 S
232 K+6
232 K+5
232 K+4
232 K+3
232 K+2
232 K+1
232 K
232 K-1

FIG. 2B

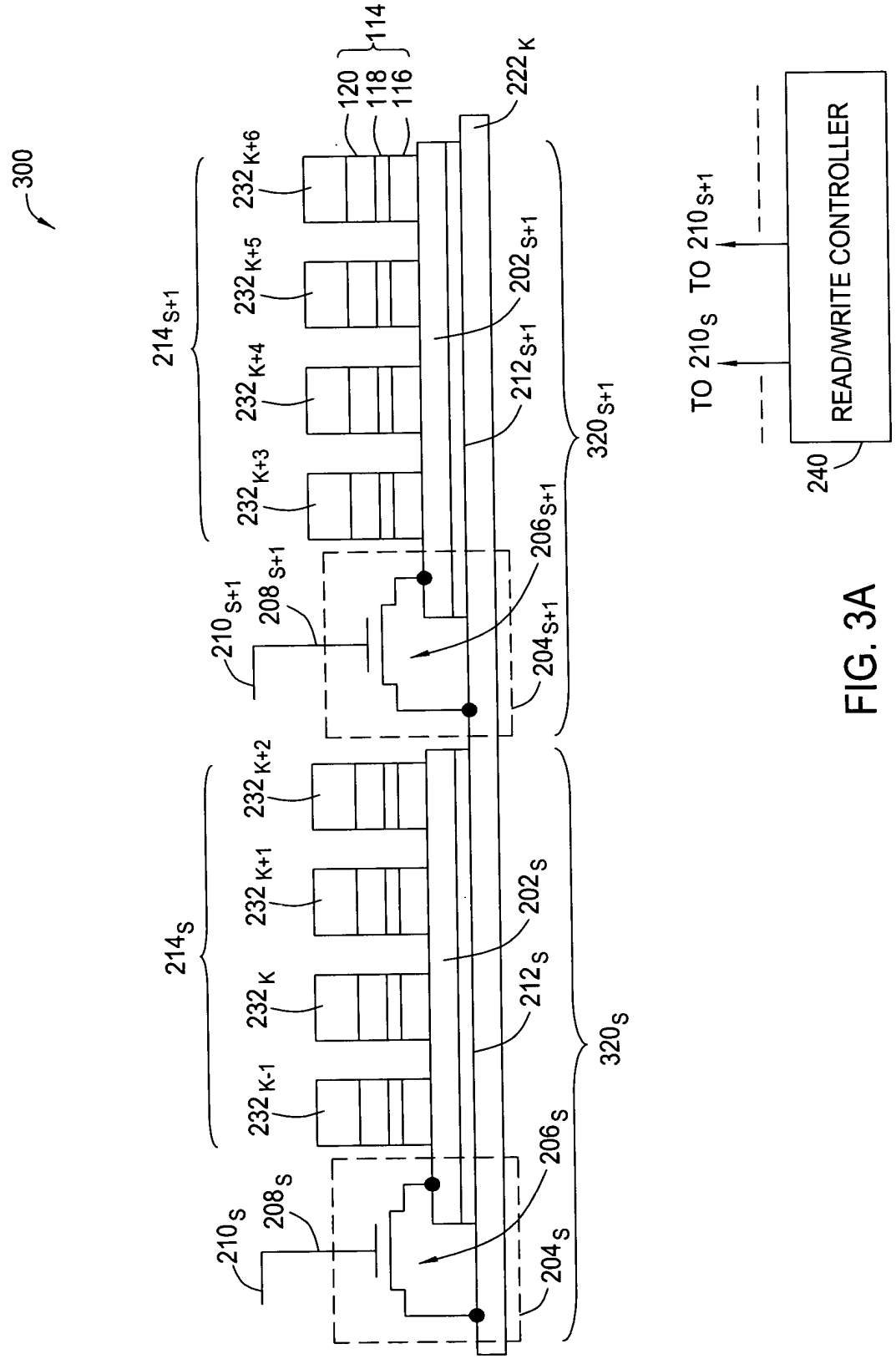

300
114
120
118
116
222 K
232 K+6
232 K+5
232 K+4
232 K+3
214 S+1
202 S+1
212 S+1
320 S+1
206 S+1
208 S+1
210 S+1
204 S+1
232 K+2
232 K+1
232 K
232 K-1
214 S
202 S
212 S
320 S
206 S
208 S
210 S
204 S
TO 210 S+1
TO 210 S
READ/WRITE CONTROLLER
240

FIG. 3A

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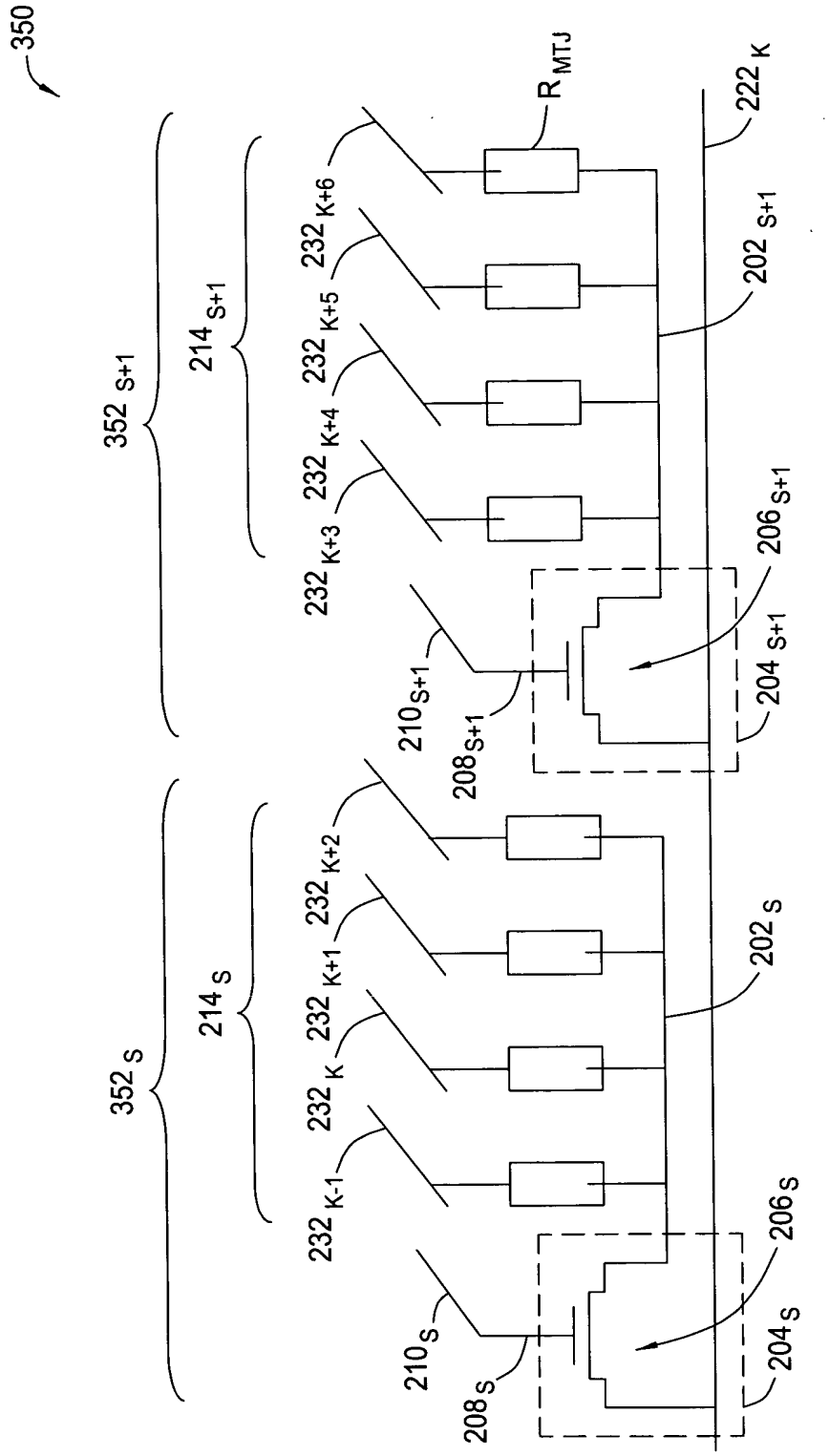
350
352 S+1
214 S+1
232 K+6
232 K+5
232 K+4
232 K+3
R MTJ
222 K
202 S+1
206 S+1
204 S+1
210 S+1
208 S+1
352 S
214 S
232 K+2
232 K+1
232 K
232 K-1
202 S
206 S
204 S
210 S
208 S

FIG. 3B

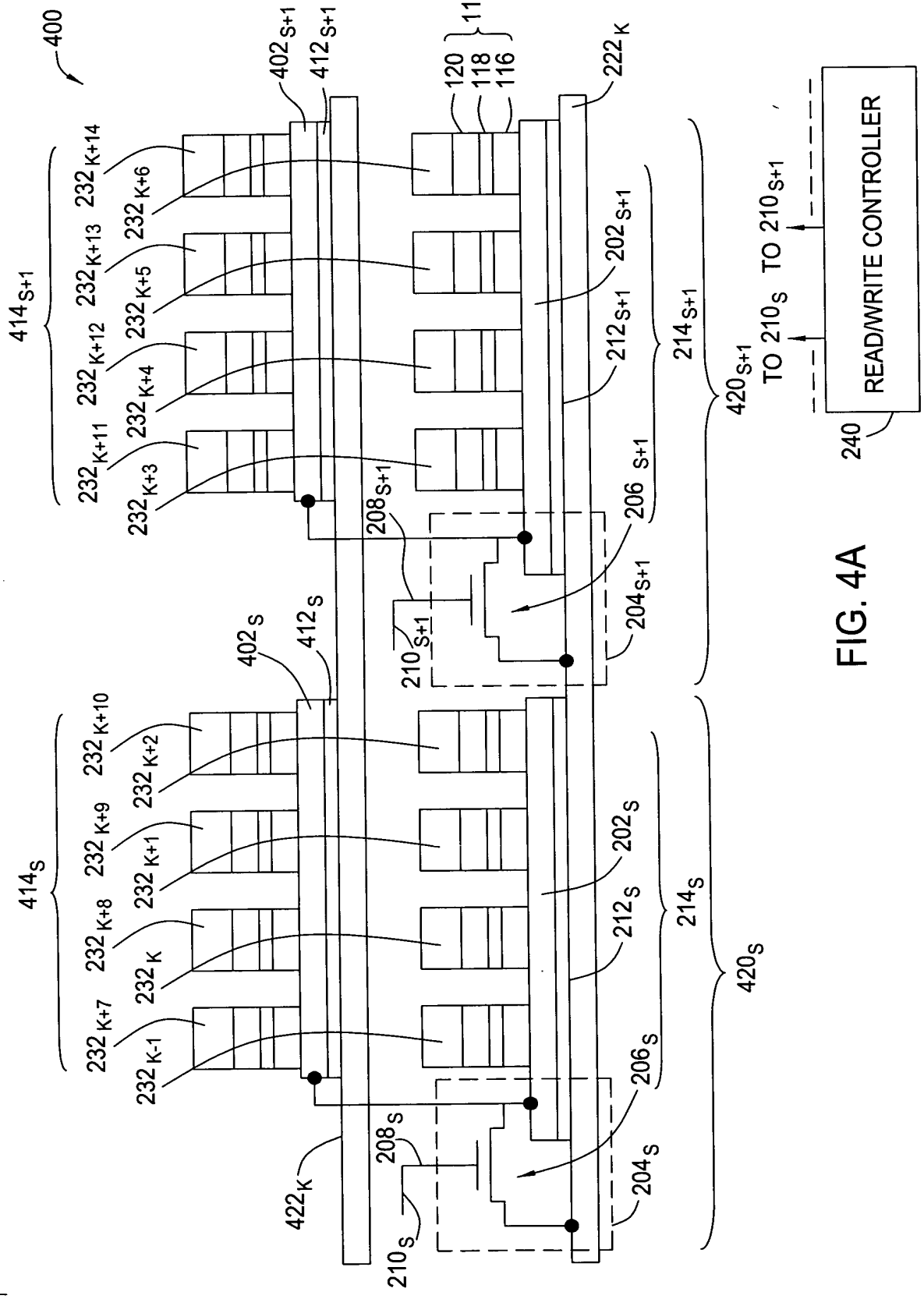
400
414S+1
414S
232K+14
232K+13
232K+12
232K+11
232K+10
232K+9
232K+8
232K+7
232K-1
232K+6
232K+5
232K+4
232K+3
232K+2
232K+1
232K
232K-1
402S+1
412S+1
402S
412S
114
120
118
116
222K
202S+1
212S+1
214S+1
420S+1
206S+1
208S+1
210S+1
204S+1
202S
212S
214S
420S
206S
208S
210S
204S
422K
TO 210S+1
TO 210S
READ/WRITE CONTROLLER
240

FIG. 4A

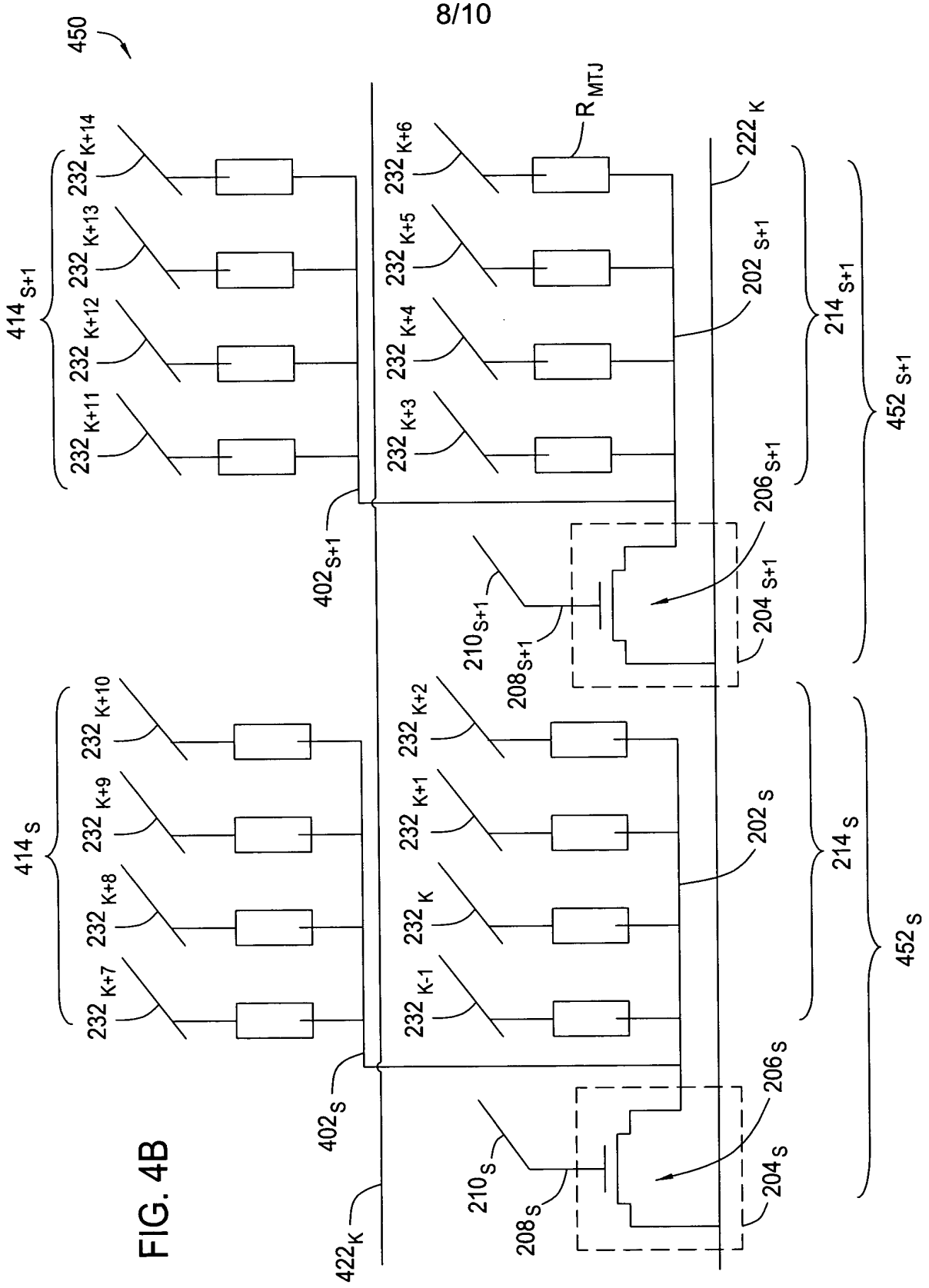
450
414 S+1
232 K+14
232 K+13
232 K+12
232 K+11
232 K+6
232 K+5
232 K+4
232 K+3
R MTJ
222 K
202 S+1
214 S+1
452 S+1
402 S+1
206 S+1
204 S+1
210 S+1
208 S+1
414 S
232 K+10
232 K+9
232 K+8
232 K+7
232 K+2
232 K+1
232 K
232 K-1
202 S
214 S
452 S
402 S
206 S
204 S
210 S
208 S
422 K

FIG. 4B

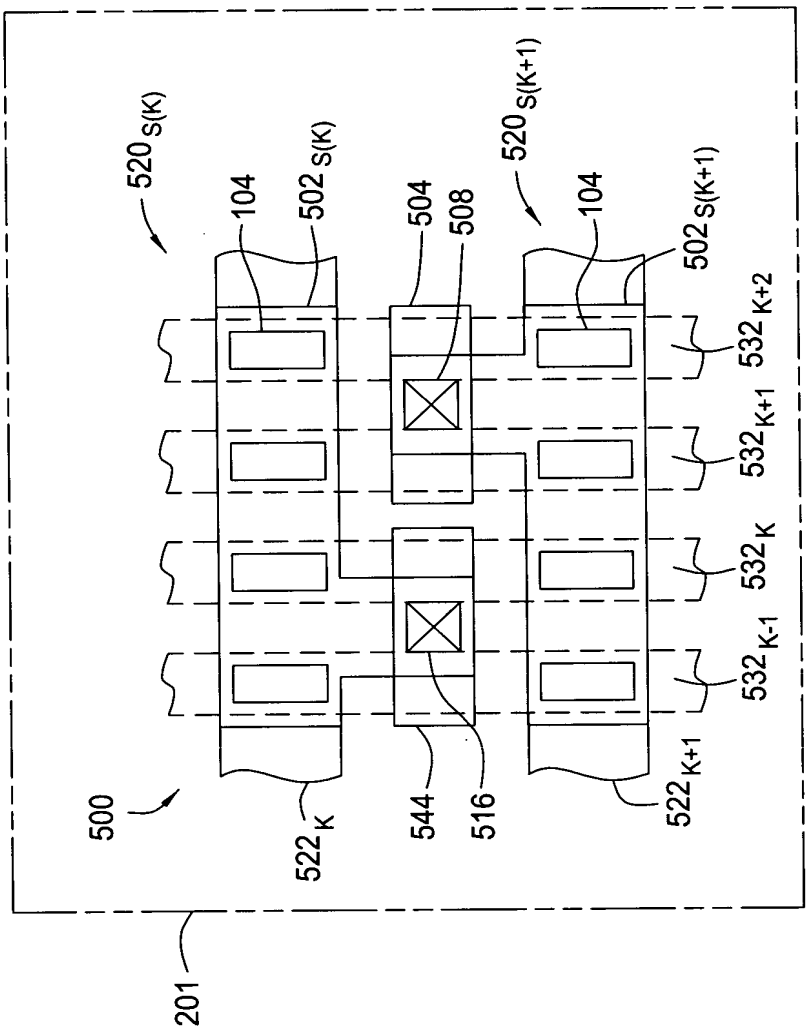
520 S(K)
104
502 S(K)
504
508
520 S(K+1)
104
502 S(K+1)
532 K+2
532 K+1
532 K
532 K-1
500
522 K
544
516
522 K+1
201

FIG. 5A

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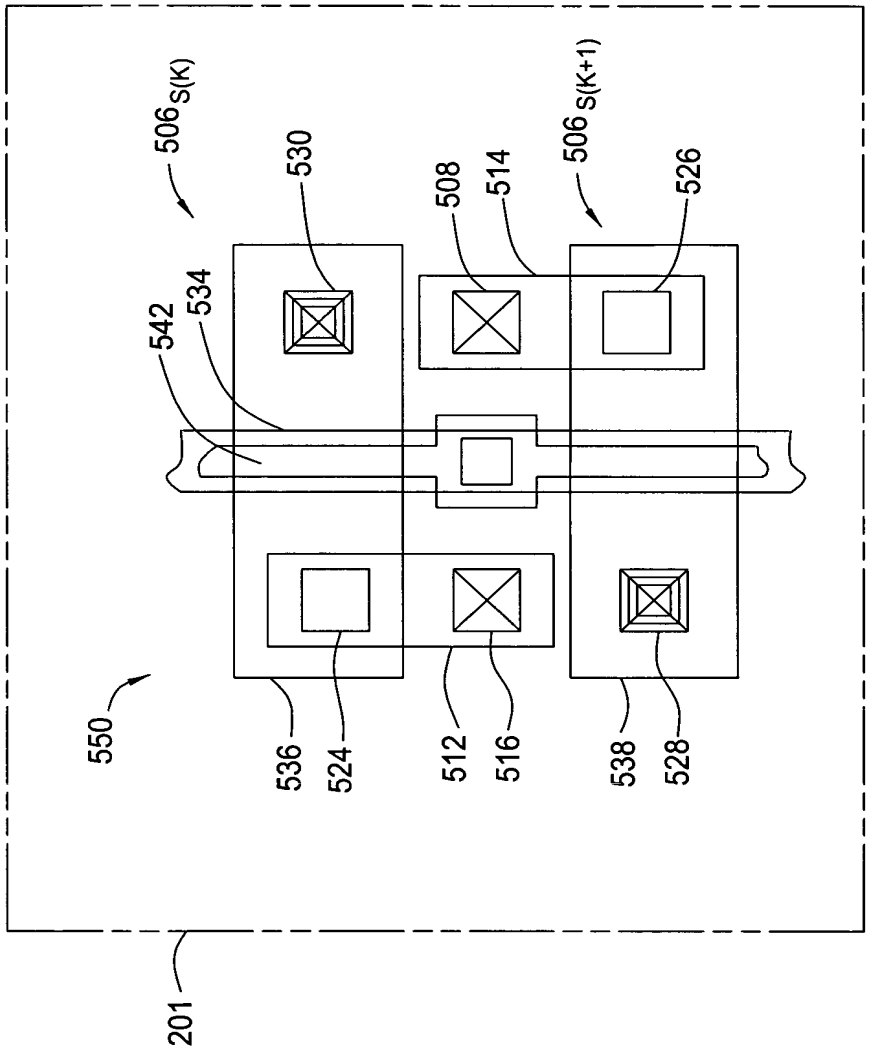
506 S(K)
530
508
514
506 S(K+1)
526
534
542
550
536
524
512
516
538
528
201

FIG. 5B